

Sonnenschein A500 / A512/10S

INDUSTRIAL BATTERIES / NETWORK POWER

Batteries of the Sonnenschein A500 range provide high capacities for many different applications. This range has been successfully in use for over twenty years in many installations worldwide. The success of A500 batteries comes from the superior dryfit technology, available in a wide range of models to provide a solution for every power need.

Part Number: NGA5120010HS0SA



APPLICATIONS



SPECIFICATIONS

- Excellent energy storage capacity combined with high reliability
- Grid plate construction with high quality lead calcium alloy, specially designed for enhanced energy density
- Very low gassing due to the internal gas recombination
- Design life: »10-12 Years – Long Life« according to EUROBAT 2015 classification
- Shelf life up to 2 years at 20 °C without recharge due to the very low self discharge rate
- Superior cycling performance
- Designed in accordance with IEC 60896-21/-22
- Approval: UL (Underwriter Laboratories)
- Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR, clause A67)
- Manufactured in Europe in our ISO 9001 certified production plants



Design life
10 - 12 years
- Long Life



Block
battery



Grid plate



Recyclable



Valve
regulated
lead-acid
batteries



Proof
against deep
discharge



Maintenance
free (no
topping up)

RECYCLE WITH EXIDE.



Exide Technologies takes pride in its commitment to a better environment. An integrated approach to manufacturing, distributing and recycling of leadacid batteries has been developed to ensure a safe and responsible life cycle for all of its products.

EXIDE Distributionscenter Frankfurt a.M.

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GNB[®]
INDUSTRIAL POWER
A Division of Exide Technologies

Sonnenschein

02/2020

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	12 V
Float charge	2,3 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 287W/Bloc CC 10h 1,8V/C 20°C 10Ah
Short circuit current	189 A (IEC60896-21/22)
Internal resistance	66 mΩ (IEC60896-21/22)

Terminal	S-4.8
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	98 x 152 x 98,4 mm
Weight	4 kg
Origin	Castanheira, Portugal

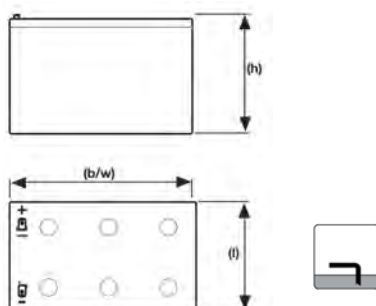
CONSTANT POWER DISCHARGE

W @ 20 °C	3 min	5 min	10 min	15 min	20 min	30 min	45 min	1 h	90 min
1,850 V/C	335	298	248	195	160	120	98	78	56
1,800 V/C	336	318	261	209	172	128	101	81	59
1,750 V/C	361	346	270	219	179	132	103	83	60
1,700 V/C	385	360	278	226	185	135	103	84	60
1,650 V/C	410	371	283	229	187	136	104	84	61
1,600 V/C	437	381	287	231	188	136	104	85	61

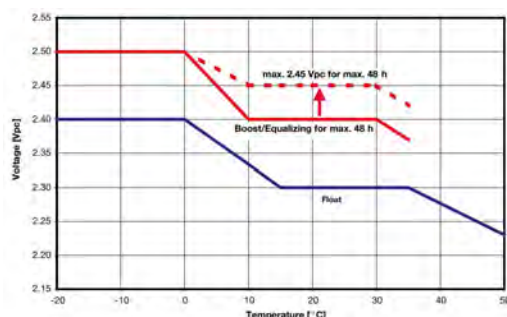
CONSTANT CURRENT DISCHARGE

A @ 20 °C	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
1,850 V/C	30	22	18	15	11,2	6,4	3,9	2,8	1,8	1,18	0,96
1,800 V/C	33	24	19	16	11,9	6,8	4,1	2,9	1,9	1,23	1
1,750 V/C	35	26	20	17	12,3	6,9	4,2	3	1,9	1,25	1,02
1,700 V/C	37	27	20	17	12,6	7	4,2	3	1,9	1,25	1,02
1,650 V/C	39	28	21	17	12,7	7,1	4,3	3	1,9	1,25	1,02
1,600 V/C	42	29	21	17	12,8	7,1	4,3	3	1,9	1,25	1,02

Technical drawing



Float Voltage vs Temperature



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